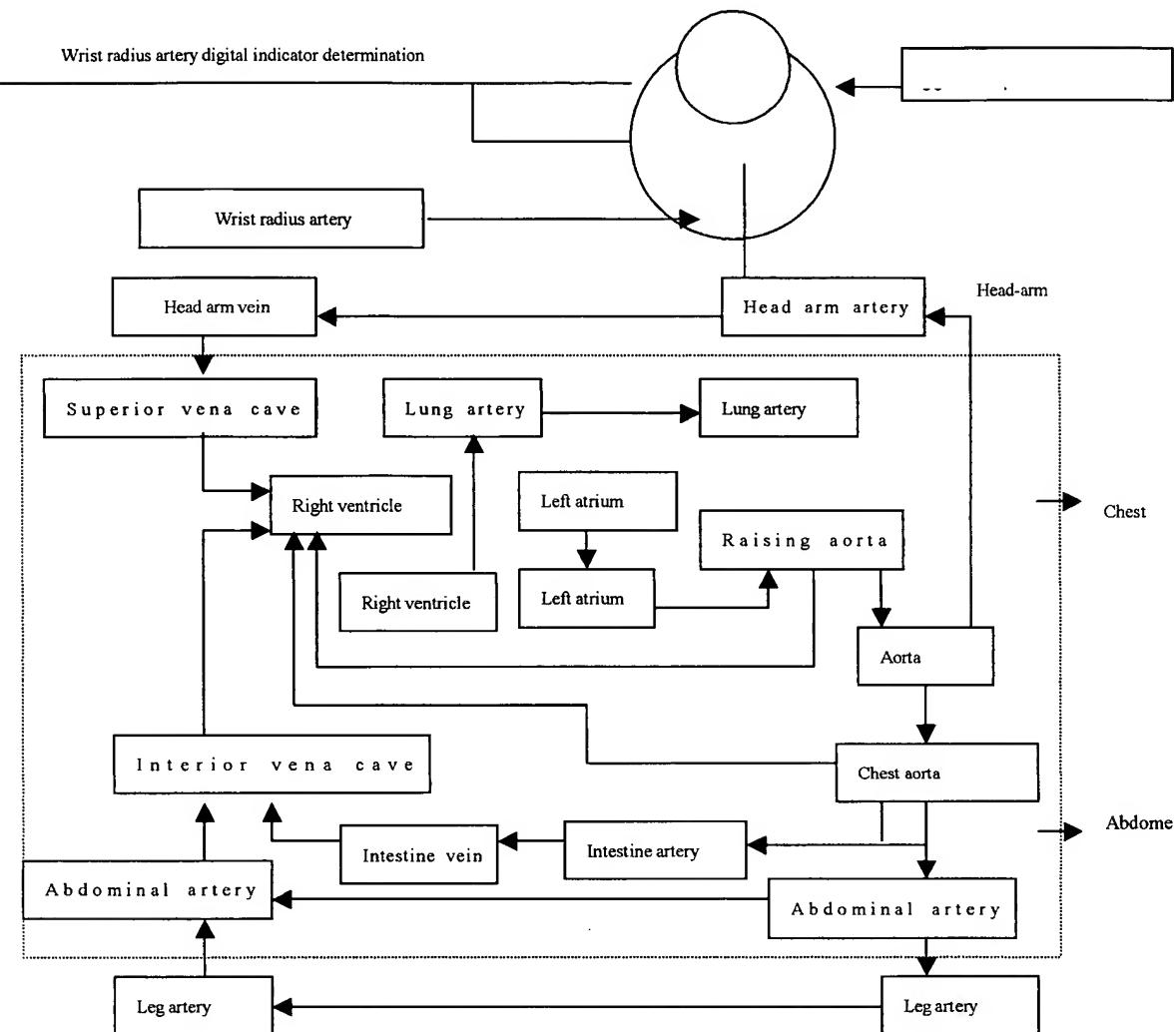


## Abstract of the Disclosure

(attached table 1)



**Human body cardiovascular hermetic system model**

Leg

(attached table 2)

## **Abstract of the Disclosure**

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1		2		3	
Brain central nerve		Medulla oblongata blood vessel center		Lower part center of thalamus	
4		5		6	
Cardiac muscle excitement and transmission		Heart beat strong or weak		Heart rhythm quick or slow	
7		8		9	
Heart output		Blood vessel tensility		Blood vessel resistance	
10		11		12	
Blood vessel elasticity		Blood pressure big or small		Blood vessel wall elasticity	
13		14		15	
Blood flow and change		Blood flow speed		Blood rate of flow	
16		17		18	
Blood viscosity		Blood ingredient		Blood platelet agglutination	
19		20		21	
Blood coagulation speed		Micro circulation index		Blood platelet agglutination	
22		23		24	
Internal secretion system functional state		Sympathetic nerve blood vessel tension		Para-sympathetic nerve blood vessel diastole	

**Conclusion: The main elements affecting wrist radius artery are blood viscosity and blood speed rate blood viscosity decides blood flowing speed and state.**

(attached table 3)

## Abstract of the Disclosure

A <sub>1</sub>	Unstable pulse	B <sub>1</sub>	Heavy pulse	C <sub>1</sub>	Retarded pulse
	The main constituting condition is that the pulse position is shallow		The main constituting condition is that the pulse position is deep.		The main constituting condition is that the pulse's counting number is lower than normal frequency
D <sub>1</sub>	Quick pulse	E <sub>1</sub>	Smooth pulse	F <sub>1</sub>	Weak pulse
	The main constituting condition is that the pulse's counting number is faster than normal frequency.		The main constituting condition is that the pulse's fluency is smoother than normal state.		The main constituting condition is that the pulse is retarded, big, empty and soft.
G <sub>1</sub>	Real pulse	H <sub>1</sub>	Thin pulse	I <sub>1</sub>	Slight pulse
	The main constituting condition is that the pulse is big, long and slightly strong.		The main constituting condition is that the pulse is smaller than normal ones.		The main constituting condition is that the pulse is slender and soft.
J <sub>1</sub>	Full pulse	K <sub>1</sub>	String pulse	L <sub>1</sub>	Linger pulse
	The main constituting condition is that the pulse should be a little bigger.		The main constituting condition is that the pulse's tension increases.		The main constituting condition is that the pulse is floating, thin, soft and lack strength.
M <sub>1</sub>	Feeble pulse	N <sub>1</sub>	Tight pulse	O <sub>1</sub>	Slow pulse
	The main constituting condition is that the pulse is heavy, thin, soft and lack strength.		The main constituting condition is that the pulse is taut and hurry.		The main constituting condition is that the pulse's tension and elasticity are inferior.
P <sub>1</sub>	Short pulse	Q <sub>1</sub>	Hidden pulse	R <sub>1</sub>	Uneven pulse
	The main constituting condition is that the pulse stops at intervals.		The main constituting condition is that the pulse runs stealthily and stops sometime		The main constituting condition is that the pulse's fluency is not normal.

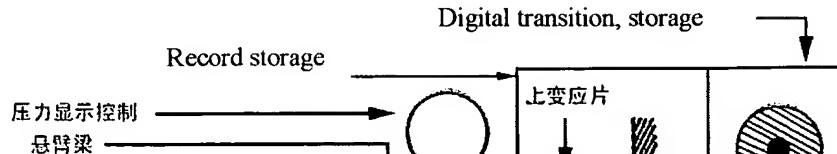
(attached table 4)

a <sub>1</sub> unstable pulse analyse	① arthrosis sore and swelling ② catch a cold, headache and nose stuffy	b <sub>1</sub> heavy pulse analyse	① be vexed and irritable ② have pains in the waist and back, feel sore when stretching back	c <sub>1</sub> retarded pulse analyse	① urinate with white and turbid ② stomach cold, no appetite, swallow sore ③ sputum resistance and accumulation
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## Abstract of the Disclosure

<p>③cough with more sputum ④abdomen full with no appetite⑤ abdominal distension ⑥ urinate with no fluency, stool uneven</p> <p>d<sub>1</sub> quick pulse analyse</p>		<p>③feel sore in chest ④cough and asthma ⑤urinate turbid and repeated ⑥full of biter, swallow sore</p> <p>e<sub>1</sub> smooth pulse analyse</p>		<p>④in low spirit ⑤ waist and feet heavy, like wearing thick cloth ⑥abdominal distension and soring</p> <p>f<sub>1</sub> weak pulse analyse</p>	
<p>③be vexed and head ache ④urinate yellow and red, stool uneven⑤ eye-red, hot tempered ⑥ tearing, tinnitus, left cheekbone becomes red. (Liver inflammation)</p>		<p>③ halitosis, old food is difficult of digestion ④ head dizzy, palpitation, breath hard, insomnia, dreamy⑤ the upper part of the side of the human body distension or sore be perturbed, irritable ⑥ asthma with more sputum</p>		<p>④tinnitus, chest stuffy⑤ have pains in waist and legs, legs failure ⑥ emission, premature ejaculation, irregularity of menstruation</p>	
<p>g<sub>1</sub> real pulse analyse</p> <p>③sore and dry throat, cough, pant with more phlegm ④ be perturbed, irritable, headache and dizzy ⑤ urinate aching and repeated ⑥stool dry and hard</p>		<p>h<sub>1</sub> thin pulse analyse</p> <p>③stomach vacant and abdomen full ④ anaemia ⑤ diarrhea, emission ⑥ palpitation</p>		<p>i<sub>1</sub> slight pulse analyse</p> <p>④ nervous and palpitation ⑤ abdominal distension and stomach cold ⑥cold feeling and scour</p>	
<p>j<sub>1</sub> full pulse analyse</p> <p>③ spit sticky, dry throat ④ cough, asthma, sputum more, throat sore⑤ urinate is red and uneven⑥ have sore and pain in the legs and feet</p>		<p>k<sub>1</sub> string pulse</p> <p>① have acute sore ② stomachache ③ abdominal sore</p> <p>④headaching with more phlegm⑤ chest stuffy, cough and pant⑥ palpitation, night sweater</p>		<p>l<sub>1</sub> linger pulse analyse</p> <p>③weak and faded, spiritual lax④ forgetful, palpitation⑤ stomach soreing and distension digesting slowly⑥ viscous shit</p>	
<p>m<sub>1</sub> weak pulse analyse</p> <p>③ body ache and pant ④ palpitation forgettable⑤ have sore and pains in lions and legs, emission and premature ejaculation⑥ insomnia with more dreams</p>		<p>n<sub>1</sub> tight pulse analyse</p> <p>① herniaache ② abdominal ache ③ headache, sore sight nose stuffy, nape strong</p> <p>④ uomit and dyspepsia caused by excessive eating or improper diet⑤ have a acute sore in abdomen⑥ vib sore and distension</p>		<p>o<sub>1</sub> slow pulse analyse</p> <p>⑤stomach cold an diarrhea, have sore and cold in part of abdormia ⑥ urinate frequency, emission</p>	
<p>p<sub>1</sub> short pulse analyse</p> <p>③ head dizzy ④ emission ⑤ stomach distension and aching⑥ be vexed, not and dry</p>		<p>q<sub>1</sub> hidden pulse analyse</p> <p>①abdomen ache② out of one's mind ③ headache and dizzy chest stuffy, palpitation, pant</p> <p>④stomach distension, full not to eat⑤ cough, chest stuffy⑥ wistache, abdomen distension</p>		<p>r<sub>1</sub> uneven pulse analyse</p> <p>④eat nothing, vomit⑤ vib diatension, vibfull, bodyache⑥ motion hard and dry</p>	

(attached table 5)



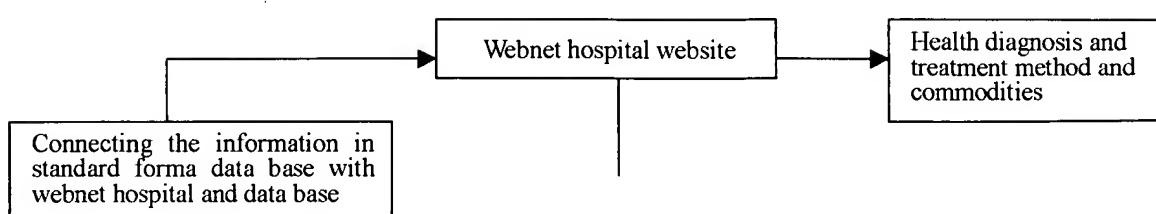
## **Abstract of the Disclosure**

The diagram illustrates a soft robotic tentacle with the following labeled components:

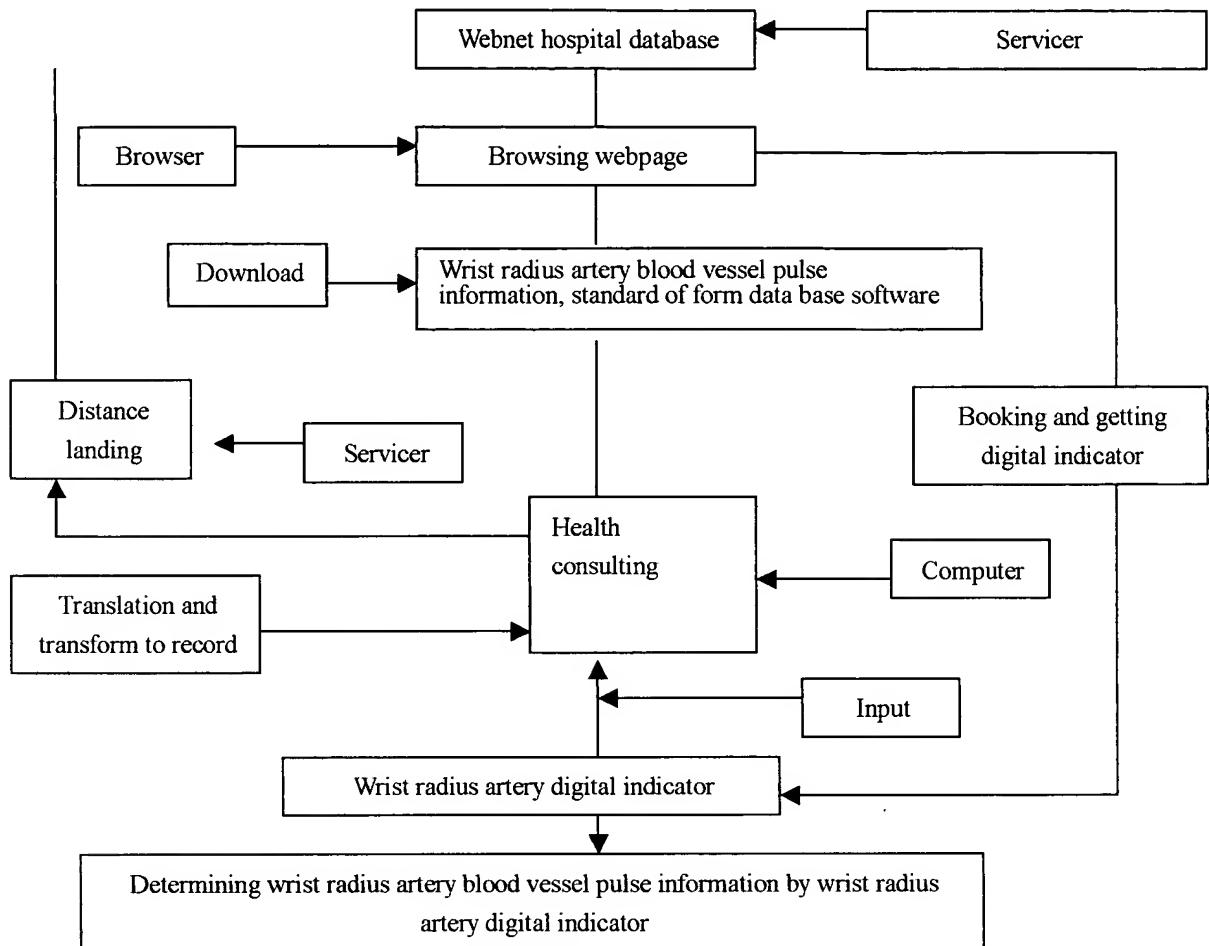
- Pressure controller
- Upper change alter
- Cantilever beam
- Pressure adding device
- Tentacle
- Skin
- Lower change alter
- Soft tissue
- Radius artery
- Radius
- Battery
- Input

### The sketch map of wrist radius artery digital indicator

(attached table 6)



## **Abstract of the Disclosure**



(attached table 7)

### 迟脉：



## **Abstract of the Disclosure**

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Retarded pulse

Quick pulse

String pulse

Weak pulse

Smooth pulse

Uneven pulse